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21 [Aranea: web framework construction and integration kit](#)

[Oleg Mürk, Jevgeni Kabanov](#)

 August **PPPJ '06: Proceedings of the 4th international symposium on Principles and practice of 2006 programming in Java**
Publisher: ACM

Full text available: Pdf (462.85 KB)

 Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)
Bibliometrics: Downloads (6 Weeks): 8, Downloads (12 Months): 52, Downloads (Overall): 339, Citation Count: 1

Currently there exist dozens of web controller frameworks that are incompatible, but at the same time have large portions of overlapping functionality that is implemented over and over again. Web programmers are facing limitations on code reuse, application ...

22 [Rapid development of spreadsheet-based web mashups](#)

[Woralak Kongdenfha, Boualem Benatallah, Julien Vayssière, Régis Saint-Paul, Fabio Casati](#)

 April **WWW '09: Proceedings of the 18th international conference on World wide web 2009**
Publisher: ACM

Full text available: Pdf (1.45 MB)

 Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)
Bibliometrics: Downloads (6 Weeks): 28, Downloads (12 Months): 288, Downloads (Overall): 288, Citation Count: 0

The rapid growth of social networking sites and web communities have motivated web sites to expose their APIs to external developers who create mashups by assembling existing functionalities. Current APIs, however, aim toward developers with programming ...

Keywords: component model, spreadsheet-based mashup patterns, spreadsheets, web data mashups

23 [Stateless programming as a motif for teaching computer science](#)

[Avi Cohen](#)

 December 2004 **Journal on Educational Resources in Computing (JERI C)**, Volume 4 Issue 4

Publisher: ACM [Request Permissions](#)

Full text available: Pdf (186.59 KB)

 Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)
Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 67, Downloads (Overall): 433, Citation Count: 0

With the development of XML Web Services, the Internet could become an integral part of and the basis for teaching computer science and software engineering. The approach has been applied to a university course for students studying introduction ...

24 [Realistic books: a bizarre homage to an obsolete medium?](#)



[Yi-Chun Chu](#), [David Bainbridge](#), [Matt Jones](#), [Ian H. Witten](#)

June 2004 **JCDL '04**: Proceedings of the 4th ACM/IEEE-CS joint conference on Digital libraries

Publisher: ACM [Request Permissions](#)

Full text available: [Pdf](#) (2.24 MB) [Additional Information: full citation, abstract, references, cited by, index terms](#)

Bibliometrics: Downloads (6 Weeks): 16, Downloads (12 Months): 78, Downloads (Overall): 972, Citation Count: 12

For many readers, handling a physical book is an enjoyably exquisite part of the information seeking process. Many physical characteristics of a book-its size, heft, the patina of use on its pages and so on-communicate ambient qualities of the document ...

Keywords: 3D book visualisation, Java and OpenGL, visual metadata

25 [Sharing information on the web using billets](#)



[Ioakim Marmaridis](#), [Athula Ginige](#)

July 2006 **I CWE '06**: Proceedings of the 6th international conference on Web engineering

Publisher: ACM

Full text available: [Pdf](#) (1.72 MB) [Additional Information: full citation, abstract, references, index terms](#)

Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 42, Downloads (Overall): 340, Citation Count: 0

Information sharing is the cornerstone of eCollaboration both in the business world as well as between individuals. The need to easily capture, share and aggregate information are ever increasing. In the context of flexible business eCollaboration, also ...

Keywords: bitlet, dynamic ecollaboration, sharing, web

26 [A web 2.0 user interface for wide-area resource monitoring](#)



[Garry Smith](#), [Mark Baker](#), [Javier Diaz Montes](#)

January 2008 **MG '08**: Proceedings of the 15th ACM Mardi Gras conference: From lightweight mash-ups to lambda grids: Understanding the spectrum of distributed computing requirements, applications, tools, infrastructures, interoperability, and the incremental adoption of key capabilities

Publisher: ACM

Full text available: [Pdf](#) (450.65 KB) [Additional Information: full citation, abstract, references, index terms](#)

Bibliometrics: Downloads (6 Weeks): 11, Downloads (12 Months): 153, Downloads (Overall): 638, Citation Count: 0

Resource monitoring in distributed systems is required to understand the 'health' of the overall system and to help identify particular problems, such as dysfunctional hardware or faulty system or application software. Monitoring systems such as GridRM ...

Keywords: distributed systems, mashups, resource monitoring, user interface, web 2.0

27 [Group unified histories an instrument for productive unconstrained co-browsing](#)



[Maria Aneiros](#), [Vladimir Estivill-Castro](#), [Chengzheng Sun](#)

November 2003 **GROUP '03**: Proceedings of the 2003 international ACM SIGGROUP conference on Supporting group work

Publisher: ACM [Request Permissions](#)


Full text available: [Pdf](#) (223.25 KB) [Additional Information: full citation, abstract, references, cited by, index terms](#)

Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 20, Downloads (Overall): 397, Citation Count: 1

The most common task being performed on the World Wide Web, namely exploring its contents remains an individual rather than a cooperative, shared or partnered activity. We propose that the existing model of collaborative browsing, namely master/slave, ...

Keywords: awareness, collaborative browsing, consistency model, group unified history, unconstrained cooperative browsing

28 [Data integration in mashups](#)

 [Giusy Di Lorenzo](#), [Hakim Hacid](#), [Hye-young Paik](#), [Boualem Benataallah](#)

June **SIGMOD Record**, Volume 38 Issue 1
2009


Publisher: ACM

Full text available:  [Pdf](#) (682.69 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 53, Downloads (12 Months): 340, Downloads (Overall): 340, Citation Count: 0

Mashup is a new application development approach that allows users to aggregate multiple services to create a service for a new purpose. Even if the Mashup approach opens new and broader opportunities for data/service consumers, the development process ...

29 [Performance optimization of SOA based AJAX application](#)

 [Kanakalata N.](#), [Udayan Banerjee](#), [Shantha Kumar](#)

February **I SEC '09: Proceeding of the 2nd annual conference on India software engineering conference**
2009

Publisher: ACM 

Full text available:  [Pdf](#) (214.25 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 13, Downloads (12 Months): 239, Downloads (Overall): 239, Citation Count: 0

SOA (Service Oriented Architecture) and AJAX (Asynchronous JavaScript and XML) address different aspects of building flexible business applications with rich user interfaces. Since AJAX is for the client side programming and SOA is for the server side ...

Keywords: AJAX, SOA, performance testing, performance tuning

30 [Nginx: the high-performance web server and reverse proxy](#)

[Will Reese](#)

September 2008 **Linux Journal**, Volume 2008 Issue 173


Publisher: Specialized Systems Consultants, Inc.

Full text available:  [Html](#) (23.04 KB) Additional Information: [full citation](#), [abstract](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 7, Downloads (12 Months): 39, Downloads (Overall): 150, Citation Count: 0

A leaner, meaner Apache.

31 [Speed-dependent automatic zooming for browsing large documents](#)

 [Takeo Igarashi](#), [Ken Hinckley](#)

November **UIST '00: Proceedings of the 13th annual ACM symposium on User interface software and technology**
2000

Publisher: ACM 

Full text available:  [Pdf](#) (688.64 KB) Additional Information: [full citation](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 30, Downloads (12 Months): 169, Downloads (Overall): 1452, Citation Count: 63

Keywords: navigation, rate control, scrolling, web browser, zooming

32 [interactions: Volume 16 issue 1](#)

 January 2009

interactions

Publisher: ACM

Full text available:  [Digital Edition](#),  [Pdf](#) (6.70 MB) Additional Information: [full citation](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 94, Downloads (12 Months): 154, Downloads (Overall): 275, Citation Count: 0

33 [Flexible on-device service object replication with replets](#)[Dong Zhou, Naveem Islam, Ali Ismael](#)May 2004 **WWW '04**: Proceedings of the 13th international conference on World Wide Web**Publisher:** ACM

Full text available: Pdf (887.11 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)**Bibliometrics:** Downloads (6 Weeks): 6, Downloads (12 Months): 31, Downloads (Overall): 424, Citation Count: 0

An increasingly large amount of Web applications employ service objects such as Servlets to generate dynamic and personalized content. Existing caching infrastructures are not well suited for caching such content in mobile environments because of disconnection ...

Keywords: capability, preference, reconfiguration, replication, service, synchronization**34** [Contact networking: a localized mobility system](#)[Casey Carter, Robin Kravets, Jean Tourrilhes](#)May 2003 **MobiSys '03**: Proceedings of the 1st international conference on Mobile systems, applications and services**Publisher:** ACM Request Permissions

Full text available: Pdf (232.79 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)**Bibliometrics:** Downloads (6 Weeks): 5, Downloads (12 Months): 37, Downloads (Overall): 340, Citation Count: 6

MobileIP, the standard for Internet mobility, enables transparent mobility for a mobile node, but requires communication to take a multihop path through the node's Home Agent. Although a user with a multiple-interface mobile node may desire the ability ...

35 [Software security and privacy risks in mobile e-commerce](#)[Anup K. Ghosh, Tara M. Swaminatha](#)February 2001 **Communications of the ACM**, Volume 44 Issue 2**Publisher:** ACM Request Permissions

Full text available: Html (38.81 KB), Pdf (90.58 KB)

Additional Information: [full citation](#), [appendices and supplements](#), [references](#), [cited by](#), [index terms](#)**Bibliometrics:** Downloads (6 Weeks): 108, Downloads (12 Months): 827, Downloads (Overall): 8016, Citation Count: 24**36** [Saving private hypertext: requirements and pragmatic dimensions for preservation](#)[Catherine C. Marshall, Gene Golovchinsky](#)August 2004 **HYPERTEXT '04**: Proceedings of the fifteenth ACM conference on Hypertext and hypermedia**Publisher:** ACM Request Permissions

Full text available: Pdf (326.91 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)**Bibliometrics:** Downloads (6 Weeks): 3, Downloads (12 Months): 56, Downloads (Overall): 430, Citation Count: 1

The preservation of literary hypertexts presents significant challenges if we are to ensure continued access to them as the underlying technology changes. Not only does such an effort involve standard digital preservation problems of representing and ...


Keywords: archiving, digital preservation, hypertext**37** [A principled design for scalable internet visual communications with rich media, interactivity, and structured archives](#)[Ron Baecker](#)October 2003 **CASCON '03**: Proceedings of the 2003 conference of the Centre for Advanced Studies on Collaborative research**Publisher:** IBM Press

Full text available: Pdf (1.44 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)**Bibliometrics:** Downloads (6 Weeks): 12, Downloads (12 Months): 84, Downloads (Overall): 1036, Citation Count: 10


In contrast to video conferencing, webcasting supports scaleable Internet visual communications, yet it is typically viewed as an ephemeral one-way broadcast medium. We present a principled design for interactive webcasts that are accessible both in ...

38 [Where am I and who am I?: issues in collaborative technical help](#)

 [Michael Twidale](#), [Karen Ruhleder](#)

November **CSCW '04**: Proceedings of the 2004 ACM conference on Computer supported cooperative work 2004

Publisher: ACM  [Request Permissions](#)

Full text available:  Pdf (296.47 KB)


Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 14, Downloads (12 Months): 100, Downloads (Overall): 645, Citation Count: 6

In a study of collaborative help-giving within several organizations settings, we identified two forms of trouble and bewilderment that we explore further in this paper. In one case, the user is confused about where they, their files, or other resources ...


Keywords: CSCW, collaborative help-giving, informal learning

39 [Rajicon: remote PC GUI operations via constricted mobile interfaces](#)

 [Norman Makoto Su](#), [Yutaka Sakane](#), [Masahiko Tsukamoto](#), [Shohei Nishio](#)

September **MobiCom '02**: Proceedings of the 8th annual international conference on Mobile computing and networking

Publisher: ACM  [Request Permissions](#)

Full text available:  Pdf (1.18 MB)


Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 52, Downloads (Overall): 674, Citation Count: 3

As of now, it is not uncommon for one to use multiple computers in separate places such as at home, office or school. A number of applications currently exist to allow a user to easily access and control these computers remotely via a notebook computer ...


Keywords: GUI, cellular phone, mobile device, remote access

40 [ZoneZoom: map navigation for smartphones with recursive view segmentation](#)

 [Daniel C. Robbins](#), [Edward Cutrell](#), [Raman Sarin](#), [Eric Horvitz](#)

May **AVI '04**: Proceedings of the working conference on Advanced visual interfaces 2004

Publisher: ACM

Full text available:  Pdf (189.05 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 20, Downloads (12 Months): 119, Downloads (Overall): 1031, Citation Count: 23




ZoneZoom is an input technique that lets users traverse large information spaces on smartphones. Our technique ZoneZoom, segments a given view of an information space into nine sub-segments, each of which is mapped to a key on the number keypad of the ...

Keywords: SmartPhlow, ZoneZoom, hand-held devices, maps, mobile browsing, smartphones, spatial cognition, visual interaction, visualization, zoomable user interfaces

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